

Amendments to the Specification:

Please delete the paragraph beginning at page 3, line 1, which starts with "Right now the IBOC"

[0009] The auto switch LM555 timing circuit (designed and built by this inventor) enables the transmitter to broadcast one to two pictures per minute.

~~Right now the IBOC DIGITAL AM SYSTEM requires a channel bandwidth of 30 kHz, but is prohibited from operating at night, because of adjacent channel interference on the AM band, and IBOC-HD offers no video as of yet!!!~~

Please replace the following entire paragraphs [0005 thru 0006] and [0016 thru 0023] with the following new paragraphs

~~[0005] This system for slow scan Video can be used for FM Radio, using the RDS 57 khz or the SCA 67 khz above the main carrier of the FM channel. This Freeze Frame Video known as SSTV.~~

[0005] _____ Fig.8

602 VIDEO SWITCH BOX switches video over the air between VCR,DVD,and CAMERA.

801 LAPTOP COMPUTER for storage and playback of broadcast art.

~~[0006] FSTV operators could run SSTV over their SAP (second Audio Programmer) of the commercial TV station. Some Amateur TV operators do run Video on the AM Carrier, Audio on the FM-1 Carrier, and SSTV on the FM-2 Carrier. (AM 439 and TSC 70.)~~

(0006) fig.9

<u>901 ANTENNA</u>	<u>910 DIAL TUNER</u>
<u>902 RF AMPLIFIER</u>	<u>911 LOCAL OSCILLATOR. 455 kHz</u>
<u>903 MIXER 1</u>	<u>912 PRESCALER</u>
<u>904 AUDIO IF AMP.455 kHz</u>	<u>913 MIXER 2</u>
<u>905 AUDIO DETECTOR</u>	<u>914 VIDEO IF AMP.455 kHz</u>
<u>906 AM stereo MATRIX</u>	<u>915 VIDEO DESCRIMINATOR</u>
<u>907 AUDIO DESCRIMINATOR</u>	<u>916 LIMITER</u>
<u>908 LEFT AUDIO AMP@+45*</u>	<u>917 VIDEO AF AMP</u>
<u>909 RIGHT AUDIO AMP@-45*</u>	<u>918 SLOW SCAN COLOR TV CONVERTER</u>
	<u>919 DELAY LINE</u>

Fig.10

1001 The Kenwood VC-H1 wiring guide.

1002 Wiring set up for the RAVEN video am stereo transmitter.

~~[0016] FIG.1. Block diagram of THE RAVEN SYSTEM~~

~~[0016]~~ Fig 1

100. Color TV monitor. 101. DVD player. 102. Delay line 400 nano second to left channel. 103. Left and right channel 45 degree out of phase networks. 104. Optional pre-emphasis. 105. Stereo limiter. 106. AM stereo transmitter. 107. Antenna. 108 and 111 RF signal combiner called a diplexer. 109. Stacker increases the electrical length of the antenna. 110. Antenna Tuner. 112. Video transmitter. 113. De-emphasis input. 114. Slow Scan TV converter. 115. Auto switch to SSTV converter.

~~1) [0017] other drawings are schematics of: -45degrees, +45 degrees right and left channel phase networks; KENWOOD VC H1 Cable setups; LM 555 auto switch; one notarized log of three drawings on one page: (A) the testing of audio on the AM band; (B) a test of an AM picture on the AM band; (C) a test of a FM picture on the AM band. (All tests were done with audio on the AM band).~~

[0017] FIG 2

101. DVD Player. 106. AM Stereo Transmitter. 107. Antenna. 108. Diplexer. 109. Stacker. 110. Antenna tuner. 112. Video transmitter. 114. SSTV converter. 115. SSTV auto switch.

~~[0018] One, VHS Tape of on air operations of THE RAVEN.~~

[0018] FIG 3

A. The channel bandwidth of an AM radio station at 700 KHz. B-1. The audio portion of this station.

B. -2. The AM stereo vectors of B-1. C. The video portion of the AM radio station at 700 kHz

~~— [0019] Four pages, of colored Pictures, of RAVEN/RVS/RVN in action.~~

~~[0019] “Omitted”, in lieu of a Divisional Patent per Examiner.~~

[0019] FIG 4

401 and 409 = the optional per-emphasis input networks. 402 = Delay line.

403 and 408 = 300 Hz audio section.

404 and 407 = the 1.5 kHz audio section.

405 and 406 = the 3 kHz audio section

C= --//--= 12 CAPASITORS with a value of .047microfarads.

R=--ww--=12 RESISTORS

4 RESISTORS at 12 kilo ohms (12, 0000) for the 403-408 section.

4 RESISTORS at 2.2 k ohms for the 404-407 section

4 RESISTORS at 1.2 k ohms for the 405-406 section

~~[0020] After the Ramsey STC-1 Stereo Limiter: A Ramsey AM -1 transmitter with a disabled oscillator (C7, Q6, AND Q5 have been removed).~~

[0020] FIG 5

501= RC on/off timing circuit

506=6 volt 2 amp output

502= IC (LM 555 timer)

507= 10 volt DC relay

503=Power on (red LED), 117 to 120 volt s AC

508 relay damper diode

504=6 volts/2amps on (green LED)

510=6volts/2 amps pulse DC, 52 seconds ON,

505and 509= AC to DC voltage adaptors

8 second OFF at output 506

~~[0021] the Ramsey AM PRO-25 transmitter has its ANT. OUT port connected to the RF amplifier of the AM-1 transmitter, via R10, to produce (ISB) AM stereo.~~

[0021] FIG 6

color video camera. 604= video distributor (VCR).605 audio microphone. 606. Audio control console

~~[0022] also in the AM PRO-25 another Q9 (collector to collector, base to base and emitter to emitter) in parallel with the original Q9, both with cooling fins.~~

[0022] FIG 7

106. AM Stereo exciter.108.Diplexer.110.Antenna tuner.112 Video exciter. 114. SSTV

Converter-TX.

115. SSTV auto switch.701. On air color video monitor. 702. SSTV Converter-RX.

703. Standard radio receiver.704.RF amp (AM transmitter).705-707-709, Bandwidth filters.

~~[0023] R23 was changed to a variable resistor from 1 k ohms to 10 k ohm. R5 was changed from a fixed 1 k ohm resistor to a 10 k ohms variable resistor and lastly, a 12~~

~~volt cooling fan from an old computer was added, for extra strong cooling; A Kenwood VC-H1 inputs into a de-emphasis network that inputs into an AM-88, and that AM-88's output, is then coupled into an AM-1 filter network, whose L3 is unchanged but C12 and C14 values have been changed from .0022 UF TO .02 UF, to obtain the band width of 4 kHz and that output is then coupled to the main antenna along with the output of the stereo signal from the AM 1- AM 25 transmitter combination.~~

~~Both the audio and the video transmitter system use the same antenna with no loss of power due to the antenna tuner and a diplexer.~~

[0023] Fig.11

1101. AM receiver. 1102. earphone jack and cable. 1103. audio speaker.

1104. AM receiver. 1105. earphone jack and cable. 1106. Slow scan TV converter

Receiving an image from the AM RECEIVER.